

Summary of all the amendments

By the above amendment, Applicants have amended the specification to emphasize the novelty of the invention and have also amended the drawings. They have also corrected the oath/declaration in order to be in compliance with 37 CFR 1.67(a). Also applicants have rewritten all claims to define the invention more particularly and distinctly so as to overcome the technical rejections and define the invention patentably over the prior art.

Review of the first prior-art rejection made by the examiner

The applicants' claim 1 was rejected under 35 U.S.C. 102(b) as being clearly anticipated by Pat. No. 5,382,948 ---- issued to Richmond on January 17, 1995.

Richmond discloses a vehicular security system with remote signaling for auto carjacking functions that discloses a claimed watch being the means for controlling all functions of the security system and said watch is met by RF signal communication between the remote signaling unit and the supervisory unit are provided for customary alarm signal functions such as arming/disarming, opening and closing door locks, interior lights, and allowing for constant monitoring of a persons vehicle.

Review of Applicant's invention, emphasizing its novelty

The applicants' invention is a vehicle security system comprising of a wristwatch remote interface and an onboard control module. The wristwatch and onboard control module transmit information to and from each other through RF/Infrared signals. *The wristwatch comprises of a hinged-body that pivots in a rearwardly motion exposing additional display screens. The wristwatch comprises of an opening mechanism that*

when actuated releases the hinged-body allowing the hinged-body to pivot in a rearwardly motion. The wristwatch also comprises of a menu feature for ease of adjusting the settings of the wristwatch and/or the security system.

A user of the remote watch will not only be able to keep track of the time but also will be able to arm/lock, disarm/unlock and remotely start their vehicle by pushing specific buttons on the watch.

Review of the first prior-art made by the examiner

“A vehicular security system includes an electronic supervisory control unit which communicates with a remote signaling unit to provide both conventional alarm system functions typically associated with securing an unoccupied vehicle as well as anti-carjacking functions. The anti-carjacking functions may be remotely initiated by the vehicle operator who has been forcibly removed from the vehicle or passively initiated and include locking the vehicle doors, closing the vehicle windows, and thereafter disabling the engine to confine a criminal carjacking perpetrator within the vehicle to wait apprehension by law enforcement authorities”.

Summary of changes to the independent claims of this rejection and a request for

reconsideration of the examiner's position

The first O.A. rejected independent claim 1 on Richmond. Claim 1 has been canceled and replaced with a new claim 2 that now states the inventions novel features to define patentably over these references, and any combination thereof. The applicants Claim 2 that now states:

“ 2. A vehicle security system comprising:

(a) a wristwatch remote comprising a housing base containing operating electronics and a plurality of control means for adjusting watch functions and controlling security system functions; a keypad; a voice activation control mechanism; a speaker; a display panel being located on a front surface of said housing base proximate said keypad; a mechanism with a plurality of means for alerting user of vehicle tampering; transceiver, code generator, switching circuit, mode controller, memory and audio input/output device; a programmed menu; means for transmitting operational signals between wristwatch remote and onboard control module;

(b) a hinged-body connected to said housing of wristwatch remote, a plurality of display screens located on said hinged-body displaying digital readouts;

(c) a hinged-body operating mechanism on wristwatch remote

(d) a hinge mechanism on wristwatch remote

(e) onboard module comprising vehicle sensors for detecting vehicle tampering within specific sensor zones, controller processing unit, memory unit, timer, antenna, input interface switches, input interface, output interface, transceiver and proximity detector.”

Applicants request reconsideration and withdrawal of this rejection since claim 1 has been rewritten to define patentably over these references and any combination thereof.

Applicants request reconsideration of this rejection for the following reasons:

1. **These novel physical features produce new and unexpected results and hence are unobvious and patentable over these references.**
2. **No Convincing Reasoning.**
3. **Poor References have been cited**
4. **Crowded Art.**
5. **Un-suggested Modification**
6. **Unrecognized Problem is being addressed with our invention.**
7. **Solution of long-felt and Unsolved Need.**

Statement as to how applicant’s independent claims under this rejection recite novel subject matter over the reference under sec. 102.

Claim 1 has been canceled and replaced with a new claim 2 that now states the inventions’ novel features to define patentably over these references, and any combination thereof. Independent claim 2 of the applicants’ invention discloses the

novel features of a hinged-body, an opening mechanism and a menu feature.

(b) a hinged-body connected to said housing of wristwatch remote, a plurality of display screens located on said hinged-body displaying digital readouts;

(c) a hinged-body opening mechanism on wristwatch remote

(d) a hinge mechanism on wristwatch remote

The reference listed does not comprise of the novel features of the applicant's invention.

Statement that the novel features of the claim are unobvious

The novel features of the applicants' invention are unobvious for the following reasons:

- (1) **These novel physical features produce new and unexpected results and hence are unobvious and patentable over these references.** The applicants' invention comprises of a hinged-body that rotates in a rearwardly position for optimal viewing, and a menu feature for the ease of adjusting settings and checking status of the vehicle and security system.

- (2) **No Convincing Reasoning.** The prior art lacks the suggestion that there should be a modification in any manner that is similar to the novel features of the applicants' invention. The examiner has not presented a convincing line of reasoning as to why the claimed subject matter as a whole, including its differences over the prior art, would have been obvious.
- (3) **Poor References have been cited.** The prior art references are either foreign or old and, therefore, are weak and should be construed narrowly. Pat. No. 5,382,948 issued to Richmond is 10 years old; Pat. No. 4,523,178 issued to Fulhorst is 20 years old, Pat. No. 5,623,245 issued to Gilmore is 8 years old, Pat. No. 5,652,564 issued to Winbush is 8 years old, a foreign Pat. No. 08120992 is 9 years old and vague, and another foreign Pat. No. 2001032586 is also listed and is vague.
- (4) **Crowded Art.** The applicants' invention is classified in a large field of crowded art. The crowded art is the vehicle security system. The applicants' novel features, which include the hinged-body and an opening mechanism, constitute a small step forward and should be regarded as significant enough to clear sec. 102 thereby satisfying the criteria set forth by statutory and case law.
- (5) **Un-suggested Modification.** The prior art lacks any suggestion that the reference should be modified to comprise of a hinged-body with multiple screens, an opening mechanism or a menu feature and therefore do not meet the claims of the applicants.

(6) **Unrecognized Problem is being addressed with our invention.** The applicants have recognized that there is a problem with people being locked out of their vehicles (non-mechanical breakdowns). The references cited openly state the problems they will be addressing are anti-carjacking and theft and do not mention or recognize the problem of being locked out of ones vehicle.

(7) **Solution of long-felt and Unsolved Need.** Applicants' invention eliminates vehicle lockouts, child/pet entrapment and the need to call police or locksmith's to unlock a persons vehicle. Vehicle lockouts are a consistent problem across the nation. AAA reports that in November and December of 2002 AAA personnel responded to 4.95 million requests for road assistance. Of those request, AAA had to unlock 840,000 locked doors.

The Dependent Claims are a *Fortiori* Patentable over the References listed.

The new dependent claims incorporate subject matter that makes them a fortiori and independently patentable over these references. Claims 14, 16, and 17 are independently patentable because they recite novel features of the applicants' invention, mentioned in claim 2b-2e, that are not mentioned in the reference cited against the applicant's.

The applicant's claim 14 recites:

“the security system wristwatch remote of claim 2b wherein said hinged-body comprising a plurality of display screens comprises of an exterior display screen

and an interior display screen”.

This is foreign to the reference listed since they do not mention nor anticipate a hinged-body comprising a plurality of display screens.

The applicant’s claim 16 recites:

“The security system wristwatch remote of claim 2b, wherein said hinged-body connected to said hinge mechanism for pivotal motion relative to said housing is pivoted towards rear of housing base stopping at a predetermined angle”.

Since the references do not mention nor anticipate a wristwatch remote comprising a hinged-body, then it is obvious that there would be no mention or any anticipation of the hinge mechanism and its ability to pivot towards the rear of the base.

The applicant’s claim 17 recites:

“The security system wristwatch remote of claim 2c, wherein said operating mechanism for said hinged body is the means for biasing said hinged-body toward a rearwardly pivoted position, and effectuating a controlled pivotal motion of said hinged-body structure between the closed position thereof covering said display screen and the rearwardly pivoted position exposing said display screen located on housing base and display screen on said hinged body”.

Claim 17 discusses the hinge operating mechanism. Since the references do not mention nor anticipate the novel features of claims 14 and 16, then it is obvious that there would be no mention or any anticipation of an operating mechanism for said hinged body.

Accordingly applicants submit that the dependent claims are a fortiori patentable and should also be allowed.

The References and Differences of the Present Invention Thereover

The applicants will discuss the references and the general novelty of the present invention and its unobviousness over the references. The following inventions do not completely state or anticipate any of the novel features of the present invention. (See Appendix for *Patent References Cited Chart*)

Richmond U.S. Pat. No. 5,382,948

Richmonds invention, “Vehicular Security System with remote signaling for auto carjacking functions”, is a security system with anti-carjacking functions that entraps an unauthorized user within the vehicle being stolen by pushing a button. Richmond creates a product that has “the supervisory control unit being programmed to actuate the power window interface and the power door lock interface...after the authorized operator carrying the remote signaling unit has been removed from the vehicle” (Richmond, claim 1). “The anti-carjacking functions may be remotely initiated by the vehicle operator who has been forcibly removed from the vehicle or passively initiated and include locking the vehicle doors, closing the vehicle windows, and thereafter disabling the engine to confine a criminal carjacking perpetrator within the vehicle to wait apprehension by law enforcement authorities” (Richmond, abstract). The applicants’ invention is not an anti carjacking security system for recovery. The applicants’ invention is an anti-theft security system with novel features that include a hinged-body, an opening mechanism, and a programmed menu. The purpose of applicant’s invention is to deter theft, monitor vehicle, and decrease the number of person’s being locked out of their vehicle, child and pet entrapment, and expenses on

broken windows and keyless entry replacements.

The reference does not completely anticipate the applicants' invention, especially in regards to the novel features of the applicants' invention. The reference is an anti-carjacking security system and is titled by Richmond as "a vehicular security system with remote signaling for auto carjacking functions". Richmond's invention also comprises of a method for recovering a vehicle and preventing the unauthorized person from exiting the vehicle. Richmond's claim 10 states "10. A method of recovering a vehicle from an unauthorized person who has obtained possession of the vehicle by removing, from the vehicle, an authorized operator, the method comprising the steps of:

(a) detecting an alarm condition indicating that the authorized operator is no longer in the vehicle by monitoring the status of wireless communication signals transmitted by a remote signaling unit in the possession of the authorized operator;

(b) preventing the unauthorized person from exiting the vehicle through vehicle doors by locking all vehicle doors and disabling all door unlocking controls;

(c) preventing the unauthorized person from exiting the vehicle through any windows by closing all open windows and disabling all window opening controls; and

(d) disabling the vehicle from operating". The applicants' invention is not an anti-carjacking security system and does not comprise of any components for it to be

construed as an anti-carjacking security system.

Hodger U.S. Pat. No. 6,734,790

Hodger's invention, "Security alarm wrist watch", is a security alarm that is operated by a watch-type pager that is electronically linked with an electronic car alarm. "A standard electronic car alarm which operates in an otherwise conventional manner... This electronic alert would activate the watch which would, in turn, display a visual alert ... In addition, standard watch functions such as date, time, and a back light would be included for convenience and efficiency." (Hodger abstract) The applicants address the issues of limited display area, limited control means area and organization of watch functions and security system functions by incorporating a hinged body, multiple display screens and an operation menu. With regard to Hodger's invention, it does not address these issues that point to the applicants' novelty.

Bartz U.S. Pat. No. 6,525,646

Bartz's invention, "Identification system for the user of a vehicle", is an "identification system for the user of a vehicle having a mobile transponder which contains a memory for an authorization code and a transmitting-receiving device for transmitting the authorization code to a vehicle-fixed receiver, the transponder is arranged in a user's wristwatch... Another embodiment of the invention provides a solution for this problem, in that the watch and the transponder can be separated from one another. When selling the vehicle, the user can thus keep the watch." The applicant's transceiver (transponder) for their wristwatch remote is in a fixed arrangement within the wristwatch remote. Bartz's

invention addresses the functionality of his invention, but does not address any user friendly operational features of the wristwatch. Until now, no one has ever thought of incorporating a hinged body, opening mechanism, multiple display screens and an operation menu to increase user operability and friendliness.

Winbush U.S. Pat. No. 5,652,564

Winbush's invention, "A bold thief security system", is a security system with anti-carjacking functions that allows a user to remotely disable a vehicle that has been carjacked. Winbush states, "It is, therefore, a primary object of the present invention to provide a bold thief security system that allows the thief to leave the scene of a carjacking with the vehicle, but then allows the vehicle owner to remotely disable the vehicle." Winbush's invention addresses issues of car-jacking through vehicle immobilization after the user has been car-jacked. Winbush's invention does not state or anticipate any of the novel features of the applicants. The applicants' invention is an anti-theft security system with novel features that include a hinged-body, an opening mechanism, and a programmed menu. The purpose of applicant's invention is to deter theft, monitor vehicle, and decrease the number of person's being locked out of their vehicle, child and pet entrapment, and expenses on broken windows and keyless entry replacements.

Gilmore U.S. Pat. No. 5,623,245

Gilmore's invention, "Remotely activated vehicle anti-theft and anti-carjacking device", is an anti-theft and anti-carjacking system for an engine powered vehicle. Gilmore states, "The present invention provides a system by which a vehicle operator may remotely

disable a vehicle. The system also may be remotely actuated by a driver who has been forced from his vehicle while the vehicle is being driven away by a carjacker” (Gilmore abstract). The applicants’ present invention is an anti-theft system that alerts its user of vehicle tampering. By incorporating the novel features of a hinged body, operation menu and multiple display screens, the applicants’ invention provides users a larger viewing area for interpreting information. Gilmore’s invention does not state or anticipate any of the novel features of the applicants’.

Fulhorst U.S. Pat. No. 4,523,178

Fulhorst’s invention, “Wireless alarm system in conjunction with at least one vehicle”, is a portable transmitting device that transmits a prescribed coded signal. Fulhorst states, “An operator carries a portable transmitter when away from a parked vehicle. In the event of an emergency condition, the operator manually activates the portable transmitter to transmit within a prescribed area a coded signal. Vehicles located within the prescribed area have receivers installed therein. When the receivers detect the coded signal transmitted by the portable transmitter, the receivers are activated to operate vehicle devices, such as horns, in the associated vehicles to indicate an alarm condition” (Fulhorst abstract). The applicants’ present invention is an anti-theft security system that alerts the user when the user’s vehicle senses tampering. Fulhorst’s invention states the opposite interaction. Fulhorst’s invention does not completely state or anticipate any of the novel features of the applicants’. The purpose of applicant’s invention is to deter theft, monitor vehicle, and decrease the number of person’s being locked out of their vehicle, child and pet entrapment, and expenses on broken windows and keyless entry replacements.

Maeno JP Pat. No. 408120992A

Maeno's invention, "Keyless Entry System," is a *keyless entry system* "to promote the prevention of loss, a reduction of cost and an improvement in conveniency." Maeno further states "by having a control part equipped with a control signal transmitter or the like inclusive of identification information built-in a wristwatch, while using those of a car door, an engine and a house door in combination." The applicants' present invention is an *anti-theft security system* that alerts the user when the user's vehicle senses tampering. With regard to Maeno's invention, the watch transmitter for the keyless entry system does not incorporate a hinged body. By incorporating the novel features of a hinged body, operation menu and multiple display screens, the applicants' invention provides users a larger viewing area for interpreting information and larger control area for the operational features. Maeno's invention does not state or anticipate any of the novel features of the applicants'.

Kono JP Pat. No. 0200103258A

Kono's invention, "Keyless Entry System," is a keyless entry system created "to eliminate the necessity of taking the transmitter out from a pocket of the user whenever he uses it and to prevent temporary missing or loss of the transmitter." (Kono abstract) The applicants' present invention is an *anti-theft security system* that alerts the user when the user's vehicle senses tampering. With regard to Konno's invention, the watch transmitter for the keyless entry system does not incorporate a hinged body. By incorporating the novel features of a hinged body, operation menu and multiple display screens, the applicants' invention

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provides users a larger viewing area for interpreting information and larger control area for the operational features. Kono's invention does not state or anticipate any of the novel features of the applicants'.

Request for aid under MPEP 707.07(j) requesting the examiner to write claims

Therefore it is submitted that patentable subject matter is clearly present. If the examiner agrees but does not feel that the present claims are technically adequate, applicant respectfully requests that the examiner write acceptable claims pursuant to MPEP 707.07(j).

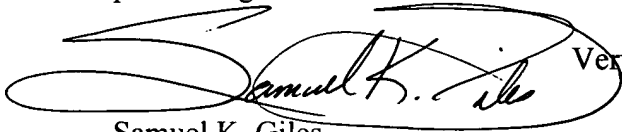
Conclusion

For all the above reasons, applicants submit that the claims, oath/declaration, and drawings are now in proper form, and that the claims all define patentably over the prior art.

Therefore they submit that this application is now in condition for allowance, which action they respectfully solicit.

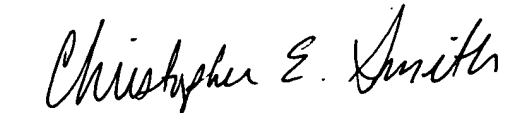
Conditional Request for Constructive Assistance

Applicants have amended the specification and claims of this application so that they are proper, definite, and define novel structure which is also unobvious. If, for any reason this application is not believed to be in full compliance for allowance, applicants respectfully request the constructive assistance and suggestions of the Examiner pursuant to M.P.E.P section 2173.02 and section 707.07(j) in order that the undersigned can place this application allowable condition as soon as possible and without the need for further proceedings.



Samuel K. Giles

Very respectfully,



Christopher Smith

Applicants Pro Se